Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/30/2020 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124694	-1	2.69	124821	2.68
Blue	F	SSC	125000	124065	-1	3.78	124951	3.71
Blue	E	FITC	14203	13711	-4	3.12	296	15.03
Blue	D	PE	25703	25294	-2	2.76	546	10.75
Blue	B	PerCP-Cy5-5	42104	41436	-2	3.49	921	14.52
Blue	A	PE-Cy7	34646	34410	-1	4.68	497	28.51
Red	C	APC	49824	49410	-1	2.67	1501	11.10
Red	A	APC-Cy7	39773	38584	-3	2.73	732	11.03
Violet	B	V450	7447	7107	-5	3.82	415	11.78
Violet	A	V500	31193	29779	-5	3.59	683	9.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21383	3.03	555	-1	N/A	N/A	Pass
Blue	F	SSC	54980	3.36	512	0	N/A	N/A	Pass
Blue	E	FITC	53	53.22	485	-1	0.0424	64	Pass
Blue	D	PE	108	37.53	486	1	0.3474	214	Pass
Blue	B	PerCP-Cy5-5	180	33.70	576	-1	0.0194	0	Pass
Blue	A	PE-Cy7	118	59.64	619	-1	0.0228	0	Pass
Red	C	APC	352	22.92	566	-1	0.0292	62	Pass
Red	A	APC-Cy7	205	23.45	539	-5	0.0072	958	Pass
Violet	B	V450	89	37.82	456	7	0.0491	1264	Pass
Violet	A	V500	120	26.03	473	6	0.0278	333	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-33.46	-33.11	0.92
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.37
Red	21.68	15.99 - 23.99	N/A	N/A	31.30	31.67	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 11841

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments